

1 QUINN EMANUEL URQUHART & SULLIVAN, LLP

Charles K. Verhoeven (Bar No. 170151)

2 charlesverhoeven@quinnemanuel.com

David A. Perlson (Bar No. 209502)

3 davidperlson@quinnemanuel.com

Melissa Baily (Bar No. 237649)

4 melissabaily@quinnemanuel.com

John Neukom (Bar No. 275887)

5 johnneukom@quinnemanuel.com

Jordan Jaffe (Bar No. 254886)

6 jordanjaffe@quinnemanuel.com

50 California Street, 22nd Floor

7 San Francisco, California 94111-4788

Telephone: (415) 875-6600

8 Facsimile: (415) 875-6700

9 Attorneys for WAYMO LLC

10 UNITED STATES DISTRICT COURT

11 NORTHERN DISTRICT OF CALIFORNIA

12 SAN FRANCISCO DIVISION

13 WAYMO LLC,

14 Plaintiff,

15 vs.

16 UBER TECHNOLOGIES, INC.;
17 OTTOMOTTO LLC; OTTO TRUCKING
LLC,

18 Defendants.

CASE NO. 3:17-cv-00939

**PLAINTIFF WAYMO LLC'S
OPPOSITION TO DEFENDANTS UBER
TECHNOLOGIES, INC. AND
OTTOMOTTO, LLC' MOTION FOR
SUMMARY JUDGMENT, MOTION TO
STRIKE TS 96, AND DAUBERT MOTION
(DKT. 1514)**

Date: September 20, 2017

Time: 8:00 a.m.

Courtroom: 8, 19th Floor

Judge: The Honorable William Alsup

Trial Date: October 10, 2017

**REDACTED VERSION OF DOCUMENT
SOUGHT TO BE FILED UNDER SEAL**

TABLE OF CONTENTS

	<u>Page</u>
I. INTRODUCTION.....	1
II. SUMMARY JUDGMENT IS NOT APPROPRIATE	3
A. Standard for Trade Secret Misappropriation	3
B. Under the Correct Legal Standard, Summary Judgment Should Be Denied	5
III. THERE ARE NO GROUNDS TO STRIKE TS 96.....	11
IV. THERE ARE NO GROUNDS TO PRECLUDE PROF. HESSELINK’S OPINIONS	16
A. Prof. Hesselink Considered All the Relevant Facts, and His Opinion Remains Admissible.....	16
B. Prof. Hesselink’s Comparison Is Methodologically Sound	18
V. CONCLUSION	21

TABLE OF AUTHORITIES**Page****Cases**

<i>Agency Solutions.com, LLC v. TriZetto Grp., Inc.</i> , 819 F. Supp. 2d 1001 (E.D. Cal. 2011).....	13
<i>Am. Can Co. v. Mansukhani</i> , 742 F.2d 314 (7th Cir. 1984).....	5
<i>Brocade Commc'ns Sys., Inc. v. A10 Networks, Inc.</i> , 873 F. Supp. 2d 1192 (N.D. Cal. 2012)	4
<i>Children's Broad. Corp. v. Walt Disney Co.</i> , 357 F.3d 860 (8th Cir. 2004).....	18
<i>Fortinet, Inc. v. Sophos, Inc.</i> , 2015 WL 5971585 (N.D. Cal. Oct. 15, 2015).....	13, 14
<i>Hangarter v. Provident Life & Accident Ins. Co.</i> , 373 F.3d 998 (9th Cir. 2004).....	17
<i>Imax Corp. v. Cinema Techs., Inc.</i> , 152 F.3d 1161 (9th Cir. 1998).....	14
<i>Internmatch, Inc. v. Nxtbigthing, LLC</i> , 2016 WL 1212626 (N.D. Cal. Mar. 28, 2016)	17, 18
<i>Integral Dev. Corp. v. Tolat</i> , 675 F. App'x 700 (9th Cir. 2017).....	10, 11
<i>Lilith Games (Shanghai) Co. v. uCool, Inc.</i> , 2015 WL 4149066 (N.D. Cal. July 9, 2015)	12, 14
<i>O2 Micro Int'l Ltd. v. Monolithic Power Sys., Inc.</i> , 399 F. Supp. 2d 1064 (N.D. Cal. 2005)	4
<i>PMC, Inc. v. Kadisha</i> , 93 Cal. Rptr. 2d 663 (Cal. Ct. App. 2000)	4
<i>Princess Cruises, Inc. v. Amrigon Enterprises, Inc.</i> , 51 F. App'x 626 (9th Cir. 2002).....	15
<i>SkinMedica, Inc. v. Histogen Inc.</i> , 869 F. Supp. 2d 1176 (S.D. Cal. 2012)	4
<i>Speech Tech. Assocs. v. Adaptive Commc'n Sys., Inc.</i> , 1994 WL 449032 (N.D. Cal. Aug. 16, 1994).....	5
<i>Sterbenz v. Anderson</i> , 2012 WL 5387885 (M.D. Fla. Nov. 2, 2012).....	16
<i>VasoNova Inc. v. Grunwald</i> , 2012 WL 4119970 (N.D. Cal. Sept. 18, 2012).....	12
<i>Verigy US, Inc. v. Mayder</i> , 2008 WL 564634 (N.D. Cal. Feb. 29, 2008).....	5
<i>Via Techs., Inc. v. Asus Computer Int'l</i> , 2016 WL 1056139 (N.D. Cal. Mar. 17, 2016)	12
<i>Westberry v. Gislaved Gummi AB</i> , 178 F.3d 257 (4th Cir. 1999).....	16

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

Statutory Authorities

18 U.S.C. §1836	3
18 U.S.C. § 1839(5)	3
Cal. Civ. Proc. Code §§ 3426.1-.3	3

Rules and Regulations

Fed. R. Civ. P. 56(d).....	11
----------------------------	----

1 **I. INTRODUCTION**

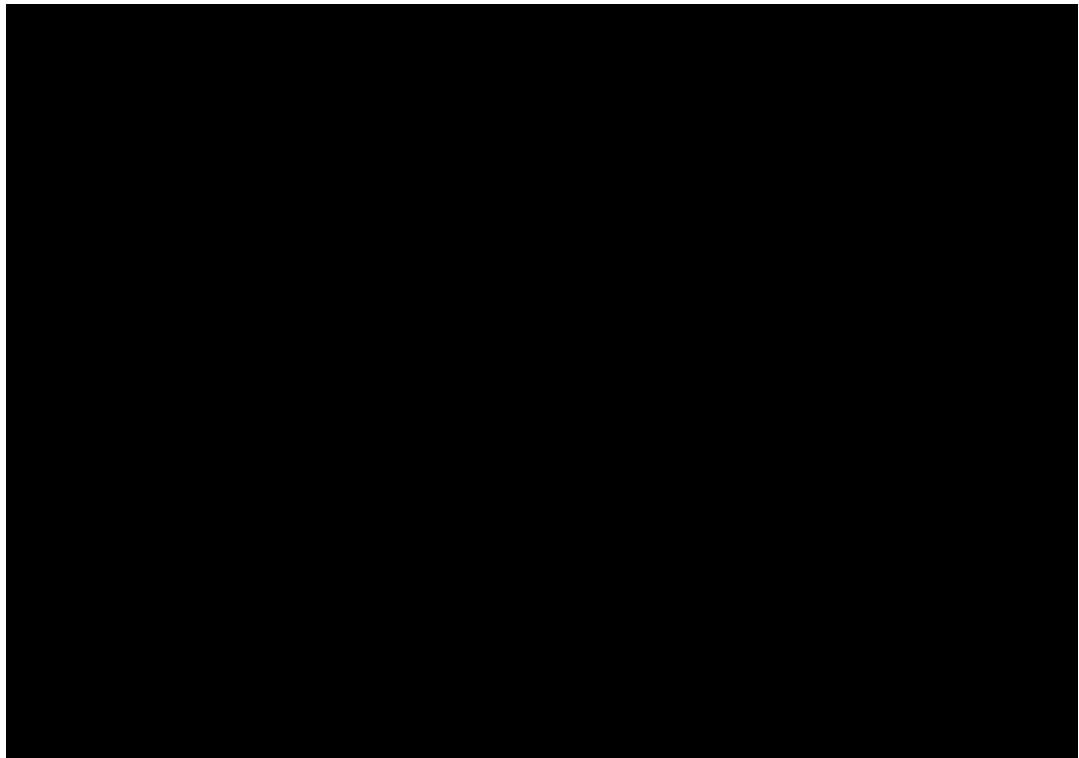
2 Waymo hereby responds to Defendants’ Motion for Summary Judgment, Motion to Strike
 3 TS 96, and *Daubert* Motion. (Dkt. 1514 (“Mot.”).) Defendants motion is most notable for what it
 4 does not say. Despite three different hearings and now several briefs, Uber does not challenge
 5 Waymo’s evidence showing that, contrary to Uber’s prior sworn declarations to this Court, Anthony
 6 Levandowski provided input into [REDACTED]
 7 [REDACTED]. Uber does not challenge Waymo’s evidence showing that Uber originally had one
 8 [REDACTED] and then, upon consulting on
 9 [REDACTED] with Mr. Levandowski, changed the design to mirror Waymo’s strategy. Uber does
 10 not challenge that Trade Secret No. 96 (“TS 96”) reflects a single PCB that Anthony Levandowski
 11 downloaded, and that it reflects Waymo’s confidential [REDACTED]. Uber does not dispute
 12 that both the GBr and Fuji designs are the only designs in the world that reflect this same strategy
 13 as embodied in the TS 96 PCB.

14 This should be the end of the matter for purposes of summary judgment, motions to strike,
 15 or *Daubert*. Rather than address the relevant evidence, Uber retreats to a different argument, arguing
 16 that [REDACTED] do not exactly “match.” This is an invitation to error. Trade secret law does
 17 not require that a defendant “exactly match” a trade secret design to be liable for trade secret
 18 misappropriation. The question is whether that trade secret was acquired under improper means,
 19 used, or disclosed. Uber does not even address these questions in its Motion. Moreover, upon
 20 production of the Stroz due diligence report, we now know that [REDACTED]

21 [REDACTED]
 22 [REDACTED].
 23 This [REDACTED] alone precludes summary judgment. We also know that [REDACTED]
 24 [REDACTED]
 25 [REDACTED].

26 For example, [REDACTED]
 27 [REDACTED]
 28 [REDACTED]:

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28



As shown above, [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

At bottom, Defendants' Motion is yet another attempt to avoid facing Waymo's well-supported allegations of trade secret misappropriation. Once again, Defendants simply seek to avoid the factfinder hearing the relevant facts, this time with respect to Waymo's TS 96. (*See* Dkt. 1526-4 at 1.) Defendants' three-pronged attack fails on all grounds. First, disputed issues of material fact as to misappropriation preclude summary judgment on TS 96. Second, TS 96 is not vague and should not be struck: as evidenced by Defendants' own arguments against the merits of TS 96, Defendants know full well what Waymo is asserting against them with respect to TS 96. Finally, Prof. Hesselink's opinion is not excludable under *Daubert*, as he considered the relevant facts and presented a comparison of the salient features of Fuji's board [REDACTED] against GBr3's board [REDACTED] (embodied in TS 96).

¹ Bare exhibit citations refer to exhibits to the accompanying declaration of Jordan Jaffe.

II. SUMMARY JUDGMENT IS NOT APPROPRIATE

Entirely absent from the summary judgment section of Defendants' Motion is any citation to case law. The reason is simple: applying the proper legal standard for trade secret misappropriation shows that disputes of material fact remain as to TS 96 and that summary judgment for Defendants is therefore unwarranted.

A. Standard for Trade Secret Misappropriation

Defendants' Motion surveys differences between, on the one hand, Waymo's GBr3 board and the GBr3 and, on the other, Uber's Fuji board and Fuji's (Mot. at 3-6.) On the basis of these alleged differences, Defendants argue that "there can be no genuine dispute that Uber does not use Waymo's GBr3 board implementation." (Mot. at 6.)

Defendants' argument, however, completely ignores the governing legal standards for trade secret misappropriation. In the first instance, liability for trade secret misappropriation can arise not only from *use* of a trade secret, but also from acquisition or disclosure of that trade secret. *See* CCP §§ 3426.1-3; 18 U.S.C. §§ 1836, 1839(5).² Yet Defendants' summary judgment argument is focused exclusively on a purported lack of use. (Mot. at 3-6.) Defendants' Motion thus provides no evidence with respect to acquisition or disclosure—nor could it have, given the disclosures from

² Specifically, the California Code of Civil Procedure defines "misappropriation" to mean:

- (1) Acquisition of a trade secret of another by a person who knows or has reason to know that the trade secret was acquired by improper means; or
- (2) Disclosure or use of a trade secret of another without express or implied consent by a person who:
 - (A) Used improper means to acquire knowledge of the trade secret; or
 - (B) At the time of disclosure or use, knew or had reason to know that his or her knowledge of the trade secret was:
 - (i) Derived from or through a person who had utilized improper means to acquire it;
 - (ii) Acquired under circumstances giving rise to a duty to maintain its secrecy or limit its use; or
 - (iii) Derived from or through a person who owed a duty to the person seeking relief to maintain its secrecy or limit its use; or
 - (C) Before a material change of his or her position, knew or had reason to know that it was a trade secret and that knowledge of it had been acquired by accident or mistake.

CCP § 3426.1(b); *see also* 18 U.S.C. § 1839(5) (similar).

1 and attachments to the Stroz due diligence report that have recently come to light. For example,
 2 according to the Stroz report itself, [REDACTED]
 3 [REDACTED]
 4 [REDACTED]. (Dkt. 1603-5 at UBER00312461.) Waymo suspects that [REDACTED]
 5 [REDACTED]. That is, [REDACTED]
 6 [REDACTED]. For this reason alone,
 7 summary judgment should be denied. *See, e.g., Brocade Commc'ns Sys., Inc. v. A10 Networks, Inc.*,
 8 873 F. Supp. 2d 1192, 1216 (N.D. Cal. 2012) (denying summary judgment: “A10 has not asserted
 9 that there is an absence of material fact as to whether Defendants ‘acquired’ or ‘disclosed’ Brocade’s
 10 trade secrets through improper means. Thus, even if, as A10 argues, Brocade were required to
 11 adduce evidence that A10 did not independently derive the trade secret information to show
 12 “improper use,” Brocade would still survive summary judgment because there are other ways of
 13 misappropriating a trade secret.”).

14 In addition, even with respect to trade secret misappropriation through *use*, Defendants again
 15 completely ignore the governing legal standards. Specifically, misappropriation through use occurs
 16 if Defendants employed trade secret information as part of their research and development, even if
 17 such work did not result in a final product exactly matching the claimed trade secret. *See, e.g.,*
 18 *SkinMedica, Inc. v. Histogen Inc.*, 869 F. Supp. 2d 1176, 1197 (S.D. Cal. 2012) (denying defendant’s
 19 summary judgment motion and holding that, “[i]n the context of trade secret misappropriation,
 20 information may be improperly ‘used’ in that it is unlawfully acquired and then built upon or
 21 modified before being disclosed or benefit derived.”); *O2 Micro Int’l Ltd. v. Monolithic Power Sys.,*
 22 *Inc.*, 399 F. Supp. 2d 1064, 1072 (N.D. Cal. 2005) (“‘Employing the confidential information in
 23 manufacturing, production, research or development, marketing goods that embody the trade secret,
 24 or soliciting customers through the use of trade secret information, all constitute use.’ . . . Use for
 25 research and development constitutes use.” (quoting *PMC, Inc. v. Kadisha*, 93 Cal. Rptr. 2d 663,
 26 673 (Cal. Ct. App. 2000))).

27 Accordingly, misappropriation through use of a trade secret can occur even if Defendants’
 28 product differs in some respects from the trade secret. *See, e.g., SkinMedica*, 869 F. Supp. 2d at

1 1197 (“Histogen argues it has not misappropriated the Bioreactor Method or Concentration System
 2 trade secrets because it does not use several of the claimed elements. However, this argument
 3 misunderstands the law on this point. . . . [T]his scattershot attempt to disclaim use of various
 4 elements of the claimed trade secrets does not foreclose the possibility that Histogen’s process was
 5 not [sic] substantially derived from the claimed trade secrets, even if it differed in specifics from the
 6 process described therein.” (internal citation omitted)); *Speech Tech. Assocs. v. Adaptive Commc’n*
 7 *Sys., Inc.*, No. C-88-2392, 1994 WL 449032, at *10 (N.D. Cal. Aug. 16, 1994) (holding defendants
 8 liable on trade secrets misappropriation: “Defendants contend they are not liable for
 9 misappropriation of trade secrets because Alltalk v. and its successors are technologically different
 10 from Prototype # 1. . . . Although some of the technology used in the new products was different,
 11 many of the technical aspects, and most of the functional aspects of Prototype # 1 were incorporated
 12 into the revised Alltalks. The incidental differences between Prototype # 1 and the redesigned
 13 Alltalks do not absolve defendants from liability for misappropriation of trade secrets.”); *Verigy US,*
 14 *Inc. v. Mayder*, No. C-07-4330, 2008 WL 564634, at *7 (N.D. Cal. Feb. 29, 2008) (granting
 15 preliminary injunction on trade secret misappropriation claim and noting that, “[u]nder California
 16 law, minor variations in a product do not negate a claim for misappropriation of trade secrets.”).

17 As succinctly summarized by the Seventh Circuit, it is well-established that “a party may
 18 not use another’s trade secret, even with independent improvements or modifications, so long as the
 19 product or process is substantially derived from the trade secret. If the law were not flexible enough
 20 to reach such modifications, trade secret protection would be quite hollow.” *Am. Can Co. v.*
 21 *Mansukhani*, 742 F.2d 314, 328 (7th Cir. 1984).

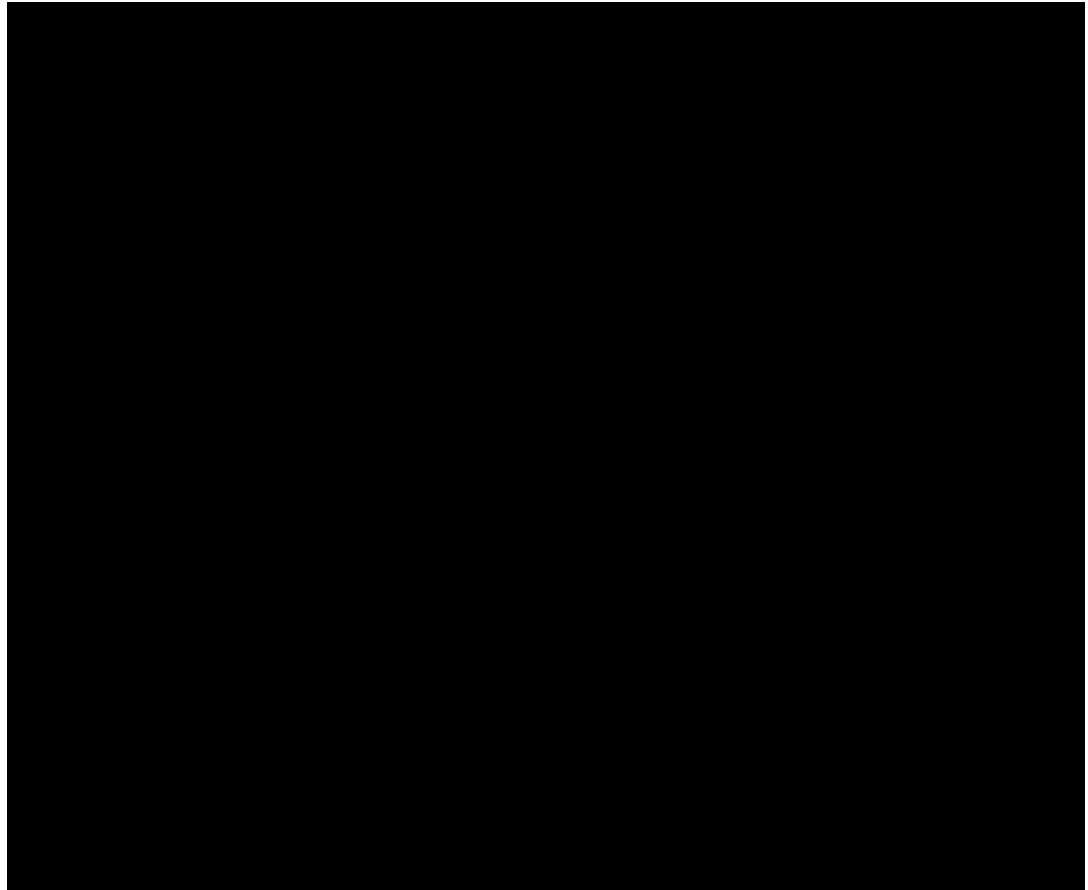
22 **B. Under the Correct Legal Standard, Summary Judgment Should Be Denied**

23 Focusing on use as Defendants’ Motion does, but applying the correct legal standard, it is
 24 clear that there are disputed issues of material fact that preclude summary judgment.

25 Specifically, Waymo’s technical expert, Prof. Hesselink, provided a detailed analysis
 26 outlining Anthony Levandowski’s involvement in [REDACTED]
 27 [REDACTED] and several striking similarities in the final design of the
 28 GBr3 board [REDACTED] and the Fuji board [REDACTED] (See Chang Ex. 1 (Dkt. 1513) (“Hesselink Opening Report”))

1 ¶¶ 421-49; Dkt. 1456-3 (“Hesselink Decl.”) ¶¶ 16-24; Ex. 3 (“Hesselink Reply Report”) ¶¶ 235-54.)
2 In brief, the evidence cited by Prof. Hesselink (and outlined below) establishes, among other things,
3 that both GBr3 and Fuji [REDACTED]
4 [REDACTED] (*See, e.g., id.* ¶ 239.)

5 This design is contrary to Uber’s early ideas for a LiDAR device, which followed the
6 standard approach in the field. Prior to Anthony Levandowski’s involvement, Uber’s early designs
7 (developed by engineer Scott Boehmke) “[REDACTED]
8 [REDACTED]
9 [REDACTED]
10 [REDACTED].” (Hesselink Reply Report ¶ 250; Hesselink Opening Report ¶¶ 405-
11 09; *see, e.g.*, Dkt. 176-3 at 10 (Boehmke’s LADAR Design Notebook showing [REDACTED]
12 [REDACTED]); Dkt. 176-1 (“Boehmke PI Decl.”) ¶ 8 (discussing the approach
13 outlined in his LADAR Design Notebook).) For example, as late as March 2016, Mr. Boehmke was
14 working with [REDACTED]:



(Hesselink Opening Report ¶ 409; Hesselink Reply Report ¶ 251; *see* Boehmke PI Decl. ¶ 9 (explaining work on [REDACTED], involving custom beam patterns and parameters); Dkt. 176-7 (showing [REDACTED] [REDACTED]).)

Only after Mr. Levandowski began working with Mr. Boehmke and [REDACTED] [REDACTED]—resulting in [REDACTED] on a board substantially similar to Waymo’s. As explained by Prof. Hesselink, Mr. Boehmke told another Uber engineer (James Haslim) that [REDACTED] [REDACTED] (*See, e.g.*, Hesselink Opening Report ¶ 448, quoting Ex. 4 at UBER00060113 (email from Mr. Boehmke to Mr. Haslim: [REDACTED] [REDACTED]); *see also, e.g.*, Ex. 5 at UBER00018016 (emails from James Haslim and Dan Gruver explaining Uber’s [REDACTED] [REDACTED], with Mr. Gruver emphasizing that “[REDACTED] [REDACTED]”); Ex. 6 at UBER00199243 (Mr. Levandowski text to Mr. Haslim informing the latter that “[REDACTED] [REDACTED]”). The evidence also shows that Mr. Levandowski was [REDACTED] [REDACTED], exchanging numerous texts about the subject with Uber (and former Waymo) engineer Dan Gruver. (Ex. 13 (text exchange between Mr. Levandowski and Mr. Gruver in which Mr. Levandowski [REDACTED]).) And, since the beginning of the

As also explained by Prof. Hesselink (and as outlined in Waymo's Offer of Proof (Dkt. 1357-1 at 18)), the [REDACTED] approach taken by Waymo to design the GBr3 [REDACTED] on its transmit boards involved [REDACTED]—similar to Uber's [REDACTED]—and markedly different from Uber's pre-Levandowski approach. (Hesselink Decl. ¶¶ 5-12, 24; *compare, e.g.*, Boehmke PI Decl. ¶¶ 8-9 (explaining Uber's approach prior to Mr. Levandowski's involvement), *with* Ex. 4 at UBER00060113 (Mr. Boehmke explaining in email [REDACTED])).)

Defendants' Motion takes issue with Waymo's references to [REDACTED]. (Mot. at 6-8.) However, Defendants do not dispute that [REDACTED]. (See Hesselink Decl. ¶¶ 5-12.) Accordingly, because [REDACTED], such that Waymo's TS 96 in fact embodies a specific [REDACTED]. That Uber adopted a substantially similar [REDACTED] that led to a substantially similar [REDACTED] only serves as further proof of Defendants' misappropriation of TS 96. That Waymo also claims the broader concepts of its overall [REDACTED] as separate trade secrets does not detract from the fact that the specific implementation of one transmit board claimed in TS 96 reflects and embodies the fruits of those design choices. Waymo was under Court order to narrow its trade secrets (Dkt. 563 ¶ 10; Dkt. 647) and, given the restriction to less than ten trade secrets, Waymo did not select more than one trade secret covering similar subject matter. This narrowing is no reason to grant summary judgment, and Defendants never explain why it should be.

Above and beyond all of the evidence of use outlined above, Prof. Hesselink's analysis further shows that the actual [REDACTED] of the GBr3 and Fuji boards [REDACTED] match very closely (once the

1 difference in focal length is accounted for, as discussed below) and that many of the [REDACTED]
2 also match very closely and, in a few cases, almost directly overlap:



3
4
5
6
7
8
9
10
11
12 These comparisons further preclude summary judgment. Based on these comparisons, Prof.
13 Hesselink has provided an opinion that “[REDACTED]
14 [REDACTED]” and that his analysis confirms that “the [REDACTED]
15 [REDACTED] in the Waymo and Uber designs are similar to each other within a very small tolerance.”
16 (Opening Hesselink Report ¶ 432.) Regardless of whether Waymo’s GBr3 board [REDACTED] and Uber’s Fuji
17 board [REDACTED] and their respective [REDACTED] are identical or not, summary judgment is not
18 appropriate, because Prof. Hesselink’s analysis establishes the clear inference that Defendants relied
19 on [REDACTED]

20 [REDACTED]. Based on these disputed material facts, it is the job of the factfinder to
21 decide whether the evidence relied on by Prof. Hesselink is sufficient to establish Defendants’ trade
22 secret misappropriation through use of TS 96. *See, e.g., Integral Dev. Corp. v. Tolat*, 675 F. App’x
23 700, 703 (9th Cir. 2017) (“[T]here is enough evidence in the record to raise a question of material
24 fact as to whether Tolat misappropriated those portions of Integral’s source code that qualify for
25 trade secret protection. There is evidence that Tolat copied the source code shortly before he
26 planned to leave Integral and join EBS. There is also evidence that, after Tolat joined EBS, EBS
27 released a product—EBS Direct—that competed directly with some of Integral’s products. A fact
28

finder must determine whether Tolat actually gave Integral’s source code to EBS and whether EBS used the source code to develop EBS Direct.” (internal citation omitted)).

Ignoring the substantial similarities between the [REDACTED] outlined in Prof. Hesselink’s analysis, Defendants’ Motion emphasizes only that the overlap of [REDACTED] is not perfect. But this argument ignores the legal standard for misappropriation through use and seeks instead to render Waymo’s protection over TS 96 extremely hollow, by allowing for differences in some aspects of the claimed trade secret to defeat all the countervailing evidence of use and thereby allowing Defendants to avoid liability by relying on Mr. Levandowski’s avoidance of straight copying.

In sum, disputed issues of material fact as to whether the substantial similarities in the two designs reflect use of TS 96 remain, and summary judgment is not appropriate. The numerous commonalities between the [REDACTED] on the respective PCBs (with [REDACTED] [REDACTED]), contrasted with earlier approaches ([REDACTED] [REDACTED]), form a strong basis for Waymo’s case for misappropriation of TS 96, which Defendants’ Motion all but ignores. This is especially so when the driving force for Defendants’ change from their earlier approaches to the approaches embodied in TS 96 was Anthony Levandowski. Whose version of the facts is the correct one is for the jury to decide. *See, e.g., Integral*, 675 F. App’x at 703.

Finally, given the voluminous new evidence available in the recent production of the Stroz report and related materials—most of which Waymo has not even had the opportunity to look at, let alone analyze, at a minimum Defendants’ Motion should be denied to allow Waymo to review the newly produced documents. Fed. R. Civ. P. 56(d); *see* Jaffe Declaration ¶¶ 2-6.

III. THERE ARE NO GROUNDS TO STRIKE TS 96

Defendants’ Motion rehashes arguments to strike TS 96 it has previously made in three briefs (Dkt. 1107-4, 1174-4, 1399-4) and at three hearings (on August 16, August 23, and September 6)

1 and that have been implicitly rejected by the Court. (Mot. at 8-10.) Despite numerous tries, it is
 2 now abundantly clear that Defendants' arguments for striking TS 96 lack merit.

3 Defendants first point to Waymo's comparison of both the specific [REDACTED] and
 4 the broader [REDACTED] that underlies those [REDACTED] in GBr3 and Fuji as support for
 5 their argument that "TS 96 is not a properly identified trade secret." (Mot. at 8-9.) But, as explained
 6 above, it is undisputed that [REDACTED]
 7 [REDACTED]. Accordingly, it is not surprising that Waymo's proof of misappropriation of TS 96
 8 relies on both a direct comparison of the [REDACTED] on the boards and on a comparison
 9 of the underlying [REDACTED]. Because the [REDACTED] depends on [REDACTED]
 10 [REDACTED], both of these comparisons are fully consistent with Waymo's Section 2019.210
 11 formulation of TS 96 ([REDACTED]
 12 [REDACTED])—a formulation that, in additional explanatory language, also
 13 specifically called out "unique and unknown design characteristics such as [REDACTED]
 14 [REDACTED]." (Dkt. 25-7 at 55.)

15 As explained in Waymo's prior briefs on this issue, the specific [REDACTED]
 16 [REDACTED] as implemented by Waymo and identified with respect to a single transmit board in TS 96
 17 provides sufficient particularity for purposes of Section 2019.210. *See VasoNova Inc. v. Grunwald*,
 18 No. C 12-02422, 2012 WL 4119970, at *3 (N.D. Cal. Sept. 18, 2012) (Alsup, J.); *Via Techs., Inc.*
 19 *v. Asus Computer Int'l*, No. 14-cv-3586, 2016 WL 1056139 (N.D. Cal. Mar. 17, 2016); *Lilith Games*
 20 *(Shanghai) Co. v. uCool, Inc.*, No. 15-CV-01267, 2015 WL 4149066, at *4-5 (N.D. Cal. July 9,
 21 2015). (*See generally* Dkt. 1449-4 at 3-6.)

22 Defendants nevertheless argue that "TS 96 should be stricken for vagueness" because other
 23 components and values are included in the schematics for a single one of Waymo's transmit boards.
 24 (Mot. at 9.) But, as Defendants themselves acknowledge, Waymo is not accusing them of
 25 misappropriating those aspects of the TS 96 schematics. Defendants' complaint about the purported
 26 "vagueness" of TS 96 thus rings hollow.

27 Indeed, Defendants' assertions that TS 96's purported vagueness is preventing them from
 28 adequately defending themselves and from forming complete and well-reasoned defenses (Mot. at

10) are belied by Defendants’ detailed discussion of the very specific aspects of TS 96 Waymo accuses them of using (Mot. at 2-6). Defendants’ implication that TS 96 is so vague that they cannot present a complete and adequate defense is not well taken in light of their simultaneous argument for summary judgment, which sets out their detailed explanation for why they do not use TS 96. In brief, Defendants’ summary judgment argument shows that they know exactly the case that Waymo will present at trial with respect to TS 96 and that they have already formed defenses they will present at trial.

None of Defendants’ cited cases support their position that a trade secret such as TS 96, which claims schematics and layouts for a single component, should be struck by the Court for vagueness, especially where the plaintiff has already crystallized the specific aspects of the specific schematics claimed by the trade secret. First, *Agency Solutions.com, LLC v. TriZetto Grp., Inc.*, 819 F. Supp. 2d 1001 (E.D. Cal. 2011), involved trade secrets that were nowhere near as particularly described as TS 96: for example, the court described one set of trade secrets there as “know-how and proprietary understanding directly related to [topics discussed at a meeting], including process flows and interfaces that would be needed to be built” and “insights.” *Id.* at 1018-19. Moreover, the court’s emphasis on the particularized description being a “duty owed to the court” was consistent with the preliminary injunction stage of the proceedings in that case. *Id.* at 1017.

Second, far from supporting Defendants’ position regarding TS 96, *Fortinet, Inc. v. Sophos, Inc.*, No. 13-cv-5831, 2015 WL 5971585 (N.D. Cal. Oct. 15, 2015), instead supports Waymo. In that case, the defendant had previously accepted Fortinet’s formulation for purposes of discovery and was seeking summary judgment on the ground that “Fortinet ha[d] not identified any information that constitutes a legally protectable trade secret.” *Id.* at *2. Declining to adopt another court’s rejection of similar formulations of the same trade secrets in a related case, the court emphasized that the importance of the “reasonable particularity” requirement once discovery is over lies in ensuring that “the trade secret disclosure is sufficiently specific such that [the defendant] can adequately defend itself.” *Id.* & n.2. To that end, the court “pressed Fortinet, at the hearing, as to how exactly it intended to try its trade secret misappropriation claim. Fortinet explained that it would identify specific documents as trade secrets for the jury’s consideration.” *Id.* at *3. The

1 result of the motion in *Fortinet* was identifying specific documents Fortinet contended were trade
 2 secrets. That is, Fortinet was agreeing to resolve a summary motion by doing what Waymo already
 3 did at the beginning of fact discovery in this case (identify a single schematic as its trade secret).
 4 Because Fortinet's agreed to identify certain documents as trade secrets, the court denied the
 5 defendant's motion for summary judgment. *Id.* Waymo has already identified a specific PCB as its
 6 trade secret and the parties have further crystallized (as part of the parties' extensive briefing and
 7 argument regarding TS 96 and as part of the exchange of expert reports) exactly which aspects of
 8 TS 96 it intends to present at trial. Under the logic of *Fortinet*, there is no remaining issue with
 9 respect to the specificity of TS 96, and the parties can proceed to trial on that trade secret. *See also*
 10 *Lilith Games (Shanghai) Co. v. uCool, Inc.*, No. 15-CV-1267, 2015 WL 4149066, at * (N.D. Cal.
 11 July 9, 2015) (articulating the same concern about the particularity of trade secret disclosures as
 12 *Fortinet*, and finding that plaintiff claiming as trade secret the "specific way" that it authored and
 13 structured source code and that the disclosure was "more than enough information" to meet the
 14 particularity requirement of Section 2019.210).

15 Aside from (erroneously) implying that Defendants are not in a position to mount adequate
 16 defenses against TS 96 at trial, Defendants also suggest that they cannot even figure out how to
 17 distinguish TS 96 from the "general knowledge in the trade or of special knowledge of those persons
 18 . . . skilled in the trade." (Mot. at 8 (quoting *Imax Corp. v. Cinema Techs., Inc.*, 152 F.3d 1161 (9th
 19 Cir. 1998)).) But Defendants have never argued any difficulty in determining if Waymo's specific
 20 PCB schematics for GBr3 transmit board [REDACTED] (and the specific [REDACTED] therein) are
 21 within the "general [or special] knowledge" in the field. Indeed, given the high degree of
 22 particularity of those schematics, this failure is not surprising: these same specific schematics cannot
 23 possibly be a matter of general knowledge in the field. *Imax* only supports Waymo's position: In
 24 that case, Imax was attempting to claim as a trade secret the "dimensions and tolerances" of
 25 components of a projector system without identifying *what* those dimensions and tolerances were.
 26 152 F.3d at 1166. Here, by contrast, Waymo has identified specific schematics in a specific folder,
 27 and reference to that folder reveals the precise [REDACTED], which constitute
 28 the key aspect of TS 96 Waymo intends to present at trial. The specificity of Waymo's TS 96

1 disclosure also distinguishes Defendants' citation to *Princess Cruises, Inc. v. Amrigon Enterprises,*
2 *Inc.*, 51 F. App'x 626 (9th Cir. 2002). There, the court faulted plaintiff's disclosure of
3 "generalizations concerning its database components," which meant that plaintiff had "failed to
4 provide specific evidence that its alleged trade secrets were not common or obvious concepts in the
5 database industry." *Id.* at 628. Here, Defendants have never argued that the [REDACTED]
6 [REDACTED] on the transmit board, and the specific [REDACTED] underlying [REDACTED]
7 [REDACTED], are generally known in the field.

8 Indeed, the Court has already recognized that Waymo's specific implementations of its
9 LiDAR designs are its trade secrets. (*See, e.g.*, 5/3/17 AM Sealed Hr'g Tr. at 14:23-25 ("[T]here is
10 no doubt in my mind that your specific [REDACTED] configuration, very specific configuration,
11 would be a trade secret."); *id.* at 15:21-22 ("[Y]our specific implementation, I think, would be a
12 trade secret.")) And the Court has also repeatedly declined to strike TS 96 for lacking reasonable
13 particularity, instead opting to grant leave to Defendants to file a combination motion for summary
14 judgment and *Daubert* motion regarding TS 96. (9/6/2017 Sealed Hr'g Tr. at 104:14-23.)
15 Defendants' presentation of specific technical arguments to show non-use of TS 96 in the context
16 of summary judgment only further confirms that TS 96 is in fact disclosed with sufficient
17 particularity to enable Defendants to adequately defend themselves.

18 More telling is that, though Defendants argue TS 96 is not sufficiently specific to enable
19 them to develop their claims and defenses for trial, any specific arguments about how Defendants
20 were prejudiced in discovery are entirely absent from the Motion. There is not a single deposition,
21 subpoena, request for production, or interrogatory identified in Defendants' Motion that they argue
22 they would have propounded. Defendants identify literally nothing that, but for a more specific
23 formulation of TS 96, they would have been able to present at trial. As stated above, Defendants
24 know exactly the content of the trade secret, as shown by the voluminous briefing and argument on
25 this subject. The serial post-fact-discovery motions to strike remain an exercise in litigation
26 gamesmanship and an improper use of Section 2019.210. Defendants' motion to strike TS 96 should
27 be denied.

28

1 **IV. THERE ARE NO GROUNDS TO PRECLUDE PROF. HESSELINK'S OPINIONS**

2 Defendants' *Daubert* motion is a total retreat. Despite an invitation by the Court, Defendants
 3 do not argue that Prof. Hesselink's scaling of X and Y axes was improper. Defendants' Motion
 4 does not challenge the math Prof. Hesselink relies on to generate his comparisons at all. In the end,
 5 Defendants' Motion argues only that Prof. Hesselink's opinions should be excluded because he
 6 purportedly "disregards alternative explanations" for the similarities between Waymo's GBr3 board
 7 ■ and Fuji's board ■ and because his comparison is "methodologically unsound." (Mot. at 10-14.)
 8 Neither of Defendants' arguments justifies excluding Prof. Hesselink's opinions regarding TS 96.

9 **A. Prof. Hesselink Considered All the Relevant Facts, and His Opinion Remains**
 10 **Admissible**

11 Defendants' first argument for excluding Prof. Hesselink's opinions on TS 96 is that he
 12 failed to consider a hypothetical alternative explanation neither party has advocated as the
 13 explanation for Fuji's (or Waymo's) design. (Mot. at 11-13.) But "an expert's conclusions 'should
 14 not be excluded because he or she has failed to rule out every possible alternative cause.'" *Sterbenz*
 15 *v. Anderson*, No. 8:11-cv-1159, 2012 WL 5387885, at *3 (M.D. Fla. Nov. 2, 2012) (citing *Westberry*
 16 *v. Gislaved Gummi AB*, 178 F.3d 257, 265 (4th Cir. 1999)).

17 Specifically, Defendants argue that an alternative explanation for the similarities is that the
 18 beam angles could have been designed to "illuminat[e] evenly-spaced points on a road farther and
 19 farther from the lens" as suggested in a hypothetical design approach outlined by the Court during
 20 the preliminary injunction proceedings in this case. (*Id.* at 12.) Defendants admit, however, that
 21 neither Fuji nor GBr3 were "designed to have beams landing at evenly-spaced points on the ground."
 22 (Mot. at 12.) Thus, even Defendants admit that this alternative explanation is not relevant here.
 23 Instead, as discussed above, Waymo (and, later, Uber) were focused on achieving ■
 24 ■, while Uber was originally focused on achieving ■
 25 ■. Accordingly, Defendants' cited hypothetical bears no relation to
 26 the specific implementation of Waymo's GBr3 transmit board ■ design claimed in TS 96 or to the
 27
 28

1 misappropriated design implemented in Fuji's transmit board ■ Prof. Hesselink was thus fully
2 justified in declining to consider this hypothetical alternative explanation.

3 Defendants also present a strawman of Prof. Hesselink's opinions in an attempt to make
4 them fit into the hypothetical alternative explanation and into a cramped comparison to the Velodyne
5 HDL-64. (Mot. at 12.) Defendants characterize the similarity examined by Prof. Hesselink as a
6 "similarity in the '■■■■■■■■■■' spacing of diodes between GBr3 and Fuji" and argue
7 that this "simply reflects the similar goals of maintaining adequate resolution in the far field." (*Id.*)
8 But this argument ignores that Prof. Hesselink's opinion is not limited to comparing the
9 "■■■■■■■■■■" spacing of diodes in the two LiDAR transmit boards. As discussed
10 above, Prof. Hesselink also focused on the similarity in the ■■■■■■■■■■
11 ■■■■■■■■■■ for both Waymo and Uber as well as the similarity in ■■■■■■■■■■
12 ■■■■■■■■■■ (scaled to account for the two systems' differing focal
13 lengths). Velodyne's approach is drastically different, as explained by Prof. Hesselink, and follows
14 a zone-based approach resulting in clusters of evenly spaced beams (in the case of the HDL-64, two
15 clusters). (*See, e.g.*, Hesselink Opening Report ¶ 408; Ex. 9 at 53 (Velodyne HDL-64 user manual
16 specifying 1/3 degree spacing for part of the field of view and 1/2 degree spacing for the remainder).)
17 And Velodyne's design for the positioning of its laser diodes is also drastically different, with
18 numerous PCBs each holding a single laser diode. (*See, e.g., id.* ¶ 403; Ex. 10 at 32-34 (Velodyne
19 HDL-64 resource manual depicting 16-PCB assembly comprising one of four assemblies that make
20 up the 64 laser sources).) By presenting their strawman, Defendants conveniently ignore all these
21 facts in their Motion.

22 Moreover, even assuming *arguendo* that Prof. Hesselink did not consider all possible
23 hypothetical explanations for the similarities between the two boards, Defendants' "arguments go
24 to the weight, not the admissibility" of Prof. Hesselink's opinions. *Internmatch, Inc. v. Nxtbigthing,*
25 *LLC*, No. 14-cv-5438, 2016 WL 1212626, at*4 (N.D. Cal. Mar. 28, 2016) (denying motion to
26 exclude expert testimony); *see also, e.g., Hangarter v. Provident Life & Accident Ins. Co.*, 373 F.3d
27 998, 1017 n.14 (9th Cir. 2004) ("[Q]uestions regarding the nature of [the expert's] evidence went
28 more to the 'weight' of his testimony—an issue properly explored during direct and cross-

examination.”); *Children’s Broad. Corp. v. Walt Disney Co.*, 357 F.3d 860, 865 (8th Cir. 2004) (“[T]he factual basis of an expert opinion goes to the credibility of the testimony, not the admissibility, and it is up to the opposing party to examine the factual basis for the opinion in cross-examination.”). Defendants remain free to cross-examine Prof. Hesselink at trial regarding these hypothetical “alternative explanations” and present the arguments they present in their Motion to the jury. Indeed, an expert’s purported failure to consider relevant facts does not render his opinion inadmissible under *Daubert*; instead, cross-examination is the proper method for addressing such fact-laden disputes. *See, e.g., Internmatch*, 2016 WL 1212626, at*4.

B. Prof. Hesselink’s Comparison Is Methodologically Sound

Defendants’ last argument is that Prof. Hesselink’s analysis is “methodologically unsound” because he purportedly “ignores the actual diode positions . . . in favor of imaginary curves drawn to fit the [REDACTED] of the diodes.” (Mot. at 13-14.) This argument is wrong.

Contrary to Defendants’ assertion, the curves presented by Prof. Hesselink are not “imaginary curves,” but are instead the best fit to the precise [REDACTED] on each respective board. (*See, e.g.,* Opening Hesselink Report ¶ 432; Hesselink Decl. ¶¶ 16-24.) It is undisputed that the two curves correspond to the Petzval surfaces of each transmit lens. (*See, e.g.,* Opening Hesselink Report ¶¶ 388-90; Hesselink Decl. ¶ 18; Dkt. 1461-3 at 1 (Uber’s answer to Court’s Question 1 regarding TS 96, discussing placement of laser diodes on the Petzval curve).)

Indeed, as Defendants note in their Motion, “the Petzval curve is defined by the focal length, refractive index (based on lens material), and lens shape of each lens.” (Mot. at 13 (citing Hesselink Decl. ¶ 12).) Prof. Hesselink’s comparison takes into account these parameters but only factors out the focal length. (*See* Hesselink Decl. ¶¶ 16-24; *see also* Hesselink Opening Report ¶ 432.) Contrary to Defendants’ suggestion that this analysis “is merely showing that Petzval curves of the same focal length will be the same” (Mot. at 13), Prof. Hesselink’s analysis shows that the lens material and lens shape do not meaningfully contribute to the shape of the Petzval surface in the case of the two transmit boards under comparison. In other words, his analysis shows that the transmit lenses in Fuji and GBr3 are so substantially similar in terms of their overall optical properties that the Petzval surfaces of each are virtually the same once the difference in focal lengths

1 is accounted for. Rather than rendering Prof. Hesselink's comparison "methodologically unsound,"
 2 the alignment of the curves after only factoring out the focal length is instead further compelling
 3 evidence in support of his opinions on the use of TS 96 to generate the Fuji board design.

4 The similarity between the optical properties of the two lenses is not a coincidence either,
 5 for a reason Defendants omit from their Motion. Former Waymo engineer (now at Uber) Gaetan
 6 Pennecot testified that the design of the Fuji transmit lens started with a "benchmark" design with
 7 the same optical properties as the main lens for GBR2 and GBR3:

8 Q. . . . Do you see there's something called a Benchmark 1 design?

A. Yes.

9 Q. What does that refer to?

A. This is a lens I had experience with—it's a lens design that I've already worked
 10 on.

Q. When you say "already worked on," what do you mean by that?

A. I worked on a similar lens at Google.

Q. Is this the GBR3 lens?

A. This is the GBR lens, so GBR2, GBR3.

Q. And so the information here describing this lens is really describing Waymo's
 13 GBR lens design; is that right?

A. This is not correct.

Q. How is that incorrect?

A. So material is the same, aspheric front surface. So there's—we use an aspheric
 15 surface in front, toroidal surface in the back. And I believe this is the same
 dimensions, aperture, same focal, however, it's not the same equation.

Q. How do you know it's not the same equation?

A. Because it's impossible to go back to the same equation. I didn't—you would
 17 have to remember exactly the merit function to end up on the same equation.

Q. And you didn't remember the merit function for the GBR lens?

A. No.

Q. Was the Benchmark 1 design lens your best approximation of the merit function
 19 in the GBR design?

A. Yes.

20 (Ex. 11 (6/16/2017 Gaetan Pennecot Depo.) at 287:2-288:8; *see also id.* at 285:14-24 (testifying that
 21 the "Benchmark 1 design" was prepared for James Haslim).) This "benchmark" design is depicted
 22 below:
 23
 24
 25
 26
 27
 28

1 [REDACTED]
2 [REDACTED]
3 [REDACTED]
4 [REDACTED]
5 [REDACTED]
6 [REDACTED]
7 [REDACTED]
8 [REDACTED]
9 [REDACTED]
10 [REDACTED]
11 [REDACTED]
12 [REDACTED]
13 [REDACTED]
14 Mr. Pennecot's testimony regarding the genesis of the Fuji transmit lens design helps to explain the
15 almost complete overlap of the two optical systems' Petzval surfaces (once focal length differences
16 are accounted for), further supporting Prof. Hesselink's opinions.

17 Finally, contrary to Defendants' cursory assertions to the contrary (Mot. at 14), Prof.
18 Hesselink *did* provide a comparison of [REDACTED] themselves. (See, e.g.,
19 Opening Hesselink Report ¶ 432 (opining that "[REDACTED]
20 [REDACTED]" and that "the [REDACTED] in the Waymo
21 and Uber designs are similar to each other within a very small tolerance").) The [REDACTED]
22 [REDACTED], however, is best understood in the context of the Petzval curves. Prof. Hesselink's
23 presentation of the [REDACTED] is thus
24 highly probative, contrary to Defendants' assertions to the contrary. (Mot. at 14.) Accordingly, his
25 comparison of the two sets of [REDACTED] is not something that should be
26 excluded from trial.
27
28

1 **V. CONCLUSION**

2 For all the reasons stated above, Waymo respectfully requests that the Court deny
3 Defendants' Motion.

4
5 DATED: September 18, 2017

QUINN EMANUEL URQUHART & SULLIVAN,
LLP

6
7 By /s/ Charles K. Verhoeven

Charles K. Verhoeven
Attorneys for WAYMO LLC